·	·							
NOTICE THIS REVISION DESCRIBED BELOW HA	1. DATE (YYMMDD) 000608	Form Approved OMB No. 0704-0188						
Public reporting burden for this collection of informal searching existing cate sources, gathering and maint regarding this burden estimate or any other espect Defense, Washington Headquarters Services, Directions	sining the data needed, and completing a of this collection of information, including rate of Information Operations and Report	ind reviewing the collection of suggestions for reducing this is, 1215 Jefferson Davis Highw	information. Send comments burden to Department of	2. PROCURING ACTIVITY NO. LOS3022				
22202-43-2, and to the Office of Management and Budg PLEASE <u>DO NOT RETURN YOUR COMPLETED FORM</u> CONTRACTING OFFICER FOR THE CONTRACT / PRO	TO EITHER OF THESE ADDRESSES. RET	TURN COMPLETED FORM TO	THE GOVERNMENT ISSUING	3. DODAAC				
4. ORIGINATOR  a. TYPED NAME (First, Middle Ir Itial)	b. ADDRESS (Street, City, Sta	te, Zip Code)	5. CAGE CODE 19200	6. NOR NO. 003				
Lest) John D. Kreider								
9. TITLE OF DOCUMENT		10. REVISION LETTE	R	11. ECP NO.				
Frame Assembly, QAP		a. CURRENT	b. NEW					
12. CONFIGURATION ITEM (OR SYSTE	M) TO WHICH ECP APPLIES		NOR SHT	ECP SHT				
MK19 GMG			1 DF 7	6 OF 58				
13. DESCRIPTION OF REVISION								
Release the new attached	Frame Assembly QAP			·				
SEE NOR	CONTINUATION	SHEETS 2	THRU 7 OF	7				
DATED 0	0-07-07 FOR P	ROPOSED NI	EW QAP					
				j				
		•	•	l				
			•					
			\$					
			•					
·								
14. THIS SECTION FOR GOVERNMENT	USE ONLY							
	ment supplemented by this NO	_						
(3.) Custodian of n	ent must be received before ma aster document shall make abo	ve revision and furnisi	n revised douement.					
b. ACTIVITY AUTHORIZED TO APPROVE	2HS /	C. TYPEDNAME (Fir	st, Middle Initial, Last,					
d. TITLE  BOTHLY, PM Small Arms	. SIGNATURE			f. DATE SIGNED				
100. DIRECTOR	1 (Mul	-(Kr.		1850100				
15a. ACTIVITY ACCOMPLISHING REVIS	ON b. REVISION COMPLETE	O (Signature)		c. DATE SIGNED				

DD Form 1695, APR 92

Previous editions are obsolete.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

Enclosure 1 - Attachment 005

# QUALITY ASSURANCE PROVISIONS (QAP)

1. COMMAND AGENCY:

U.S. ARMY ARMAMENT, RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, N.J. 07806-5000

2. THESE QAPS FORM A PART OF DRAWING/SPECIFICATION 12993777 SPECIFIED IN THE CONTRACT.

INSPECTION SHALL BE CONDUCTED AS SPECIFIED HEREIN AND IN ACCORDANCE WITH REFERENCED DOCUMENTS.

3.

#### PART I. LIST OF APPLICABLE DOCUMENTS

### DRAWINGS

12993777

FRAME ASSEMBLY

#### **STANDARDS**

MIL-STD-1916

DOD Preferred Methods for Acceptance of Product

#### **SPECIFICATIONS**

MIL-W-63150

Weapons and Support Materiel, Standard Quality Assurance Provisions for

#### NON-GOVERNMENT PUBLICATIONS

(Application for copies of ASTM documents should be addressed to American Society for Testing and Materials, 100 Bar Harbor Drive, West Conshohocken PA 19428-2959)

NOR CONTINUATION SHEET 2 OF 7

ECP LOS 3022 - NOR 003

PROPOSED NEW QAP

Rum Struck 00-07-07

<u>DISTRIBUTION STATEMENT</u> A: Approved for public release; distribution is unlimited.

					RE	VISION	S							
4. RELEASE NUMBER														
5. DATE														
4. RELEASE NUMBER														
5. DATE												•		
REVISION	6. REVISION		-		•						]			$oxed{\Box}$
STATUS	7. SHEET	1	2	3	4	5	6							
OF	6. REVISION													
SHEETS	7. SHEET						I		-		1			
8. QAP FOR:	FRAME ASSEM	IBLY								FSCM:		C.	19200	
9. SUBMITTED BY:										10. QAP NO.		93777		
11. DATE: 000607	12. APPROVED:						13. RE	LEASE	NO.	14. PAGE NO 1		15. NO. (	OF PAGE 6	s

3.

## PART II. CONFORMANCE PROVISIONS

#### 1.0 General provisions.

- 1.1 Classification of characteristics. There are three classes of characteristics covered in this QAP. These are critical, major, and minor characteristics, as defined in MIL-STD-1916.
- 1.2 Workmanship. The workmanship provisions of MIL-W-63150 are applicable to this QAP.
- 1.3 Certification provisions.
- 1.3.1 Certified Test Reports (CTR). If CTR is specified in Part IV, the contractor shall make available to the Government a CTR for each lot of parts, assemblies, subsystems and systems by lot number prior to acceptance. This test report is in addition to, and not in lieu of, any rights of the Government under this contract or law. A CTR may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of the contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the report shall contain the following:
  - a. Name of company and date.
  - b. Contract number or purchase order number, national stock number and drawing number.
  - c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
  - d. All inspections and tests required by contract (i.e., material, processes, performance, functional, etc.) shall be recorded in test reports. These reports shall identify each lot submitted for acceptance by lot number, the specification or drawing, revision and date, grade or type as applicable, number of specimens tested, specified characteristics and requirements, and actual results obtained.
  - e. Reports of the raw material producer's chemical, mechanical, and physical analysis.
  - f. A statement, as follows, certifying that material meets all requirements of the contract:

"The undersigned, individually, and as the authorized representative of the contractor, warrants and represents that: All the information supplied above is true and accurate; the material covered by this certificate conforms to all contract requirements (including but not limited to the drawings and specifications); the inspection and test results, and the analysis appearing herein are true and accurate; and this certificate is made for the purpose of inducing payment and with knowledge that the information and certification may be used as a basis for payment."

- g. Signature and title of certifying official.
- 1.3.2 Certificate of conformance (COC). When COC is specified in Part IV, A certificate of conformance is required for Military Standard and commercial items, supported by inspection and test data, material analysis, or certification from the raw material producer or processor, and shall be made available to the Government for specifications covering raw material, processed material, and processes. The contractor shall make the COC available to the Government prior to or with the request to perform acceptance inspection approval by the Government. This is in addition to, and not in lieu of, any rights of the Government under this contract or law. A COC may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the COC shall contain the following:

,	company and date.		TINUATION S	SHEET 3 D OR OO3	F / }	
			SED NEW Q			CAGE CODE
		1010	my fill	sud ou	3	19200
16. REVISION		2/-0				10. QAP NO.: 12993777
SYMBOL						14. PAGE NO.
AND DATE					1	2

- 3.
- b. Contract number or purchase order number, national stock number and drawing number.
- c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
- d. A statement, as follows, certifying that material meets all requirements of the contract:

#### 2. First article.

- 2.1 <u>Submission</u>. Unless otherwise specified in the contract, a first article sample consisting of five QAP items shall be submitted for inspection and approval in accordance with the terms of this contract. The sample items will be subjected to any or all of the examinations and tests specified in this QAP and may be inspected for compliance with any or all of the requirements of the applicable drawing(s) and specification(s). The certification requirements of Part IV apply.
- 2.2 <u>Rejection</u>. If any sample item fails to comply with any of the applicable requirements, the first article sample shall be rejected. The Government reserves the right to terminate inspection upon any failure to comply with any of the requirements.
- 3. <u>Verification.</u> Verification inspection shall consist of inspection of all conformance characteristics contained in Part III "Inspection Requirements" and Part IV "Certification Requirements" of this QAP. Failure to comply with the conformance criteria shall be cause for rejection of the lot or quantity represented by the sample. All other quality characteristics not specifically listed herein are subject to control under the contractor's quality program or inspection system.
  - 3.1 Lot formation. Inspection lots shall comply with the lot requirements of MIL-STD-1916, paragraph 4.2.
- 3.2 Attributes sampling inspection. The provisions/procedures of MIL-STD-1916 are applicable to this QAP. Unless otherwise specified, attributes sampling for the conformance characteristics listed in Part III herein shall be IAW MIL-STD-1916, Table II, using the verification level cited in the conformance criteria columns of Part III. The procedure in MIL-STD-1916 for normal inspection shall be used at the start of production for current or previous suppliers of the item. For all new suppliers of the item, tightened inspection shall be used at the start of production and be continued until the criteria for normal inspection are met.
- 3.3 <u>Alternative verification provisions</u>. Unless otherwise specified, alternative verification provisions such as statistical process control (SPC) (preferred), variables sampling plans, or continuous sampling plans may be used by the contractor in lieu of the inspection provisions contained herein when such alternative(s) provide an equivalent or better level of quality, and provided they have been described in a written proposal which has been approved by the Government.
- 3.4 <u>Inspection Equipment.</u> Unless otherwise specified herein or in the contract, all inspection equipment required to perform the examinations and tests in this QAP shall be designed, documented and maintained by the contractor, including any fixtures necessary to accommodate the test procedures. Inspection equipment shall incorporate the appropriate measurement capability, precision and accuracy to assure rejection of all non-conforming product.

3.5 Components and	Assemblies.	All components sh	all conform to the	drawings for tho	se components p	rior to installation .
into an assembly.	5		IATION SHEE 22 NOR O		, •	
	{	PROPOSED A	JEW QAP	00-07-07)	FSCM:	CAGE CODE 19200
16. REVISION	ζ					10. QAP NO.:
SYMBOL						12993777
AND DATE						14. PAGE NO. 3

3.

### PART III. INSPECTION REQUIREMENTS.

#### 1. Classification of Conformance Characteristics

Frame Assembly- 12993777

<u>CLASS</u>	CHARACTERISTIC	ZONE	CONFORMANCE CRITERIA	INSPECTION <u>METHOD</u>
CRITICAL	None			
MAJOR				.:
101	Improper function of Scale and Locking Screw (Scale shall be			
	Capable of free movement with screw unloosened.  Tightening of screw shall cause positive retention of scale to frame. Scale shall be capable of being located flush or below edge of frame.)		Level III	Visual-Manual
102	Improper Function of Elevating Wheel (Elevating Wheel shall rotate freely between indexing position and shall be restrained in the indexing positions by the spring actuated indexing plunger.)	C-3	Level III	Visual-Manual
103	.220 Thickness of Rivets and Across scale and Frame	B-2	Level III	SMTE
104	.010 Parallelism Requirement (Scale with Edge of Frame)	B-3	Level III	SMTE
105	Edge of scale above edge of frame	B-3	Level III	SMTE
106	Parts missing or improperly assembled		Level III	Visual
MINOR				•
201	Missing or defective protective finish (All)		Level II	Visual
202	Workmanship (See MIL-W-63150)		Level II	Visual

NOR CONTINUATION SHEET 5 OF 7
ECP. LOS 3022 NOR 003
PROPOSED NEW QAP

Sum Soull 00-07-07

		•	FSCM:	CAGE CODE .
				19200
16. REVISION				10. QAP NO.:
SYMBOL				12993777
-				14. PAGE NO.
AND DATE				4

QUA	LITY ASSUI	RANCE PRO	VISIONS (Q	AP) -CONTI	NUATION SH	IEET
3.						
2. Special sampling	ng inspection.				•	
-	··					
	•					
N/A						
		PART IV. CE	RTIFICATION R	<b>EQUIREMENTS</b>		
N/A						<u>-</u>
			NOR CONT	INDATIANI	SHEET 6	0F7 >
			TOP INS	MONTHUR	ω3	
		)	PENEVED 3	NEW BAP	,	(
		(	PRUFUSEU	Wills -	11 00-07	-07
		(	Kenn	Misule	00-07	
		7				
	•				FSCM:	CAGE CODE
						19200 10. QAP NO.:
16. REVISION						1
SYMBOL						12993777
AND 5 : 77					<b> </b>	14. PAGE NO. 5
AND DATE						

GU/	ALITY ASSU	BANCE PRO	VISIONS (C	AP) -CONT	NUATION SI	HEET
3.	12.11.17.000		71010110 (0	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		PART V. TEST	METHODS AND	PROCEDURES		
-						
·	·	•		•		
N/A						
:						
						,
			PART VI. NOTES			
		•	IARI VIINOILI	,		
						_
N/A					LLT 7 NF	7
•		١ ١	VOR CONTIN	JUATION SI	1EET 7 OF	
		)	ECP LOS3	522 NOK	003	}
			PROPOSED	NEW QAP	1 100-07-6	o7 (
			h. n	Howill		
			per ,			
	•					
					FSCM:	CAGE CODE
				1		19200 10. QAP NO.:
16. REVISION						
SYMBOL						12993777
AND DATE						14. PAGE NO. 6

NOTIC THIS REVISION DESCRIBED BELOW	1. DATE (YYYYMMDD) 20000710	Form Approved OMB No. 0704-0188		
· · . · . · · · · · · · · · · · · ·				2. PROCURING
The public reporting burden for this collection of information is estimated to	a everage 2 hours per response, including the time for r	reviewing instructions, searching existing (	tate sources, gethering and maintaining th	1
data needed, and completing and reviewing the collection of information, burden, to Department of Defense, Washington Headquariers Services,	Send comments regarding this burden estimate or any	other aspect of this collection of informs	ion, including suggestions for reducing the	
Respondents should be aware that notwithstanding any other provision of control number.	law, no person shall be subject to any panelty for failing	to comply with a collection of information	if it does not display a currently valid ONE	LOCOULE
REASE DO NOT RETURN YOUR COMPLETED FORM TO THIS ADDR ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.	RESS. RETURN COMPLETED FORM TO THE GOVE	RINNERIT ISSUING CONTRACTING OFF	ICER FOR THE CONTRACT/PROCURING	3. DODAAC
4. ORIGINATOR	b. ADDRESS (Street, City, State, Zip Code	9)	5. CAGE CODE	6. NOR NO.
a TYPED NAME (First, Middle Initial, Last)	TACOM-ARDEC, AMS	TA-AR-CCL-FM	19200	015
Bennie J. Boswell	·		7. CAGE CODE	8. DOCUMENT NO.
•	Rock Island, II. 61299		19200	SQ7791025
9. TITLE OF DOCUMENT		10. REVISION LETTER		11. ECP NO.
Elevating Screw QAP		a. CURRENT	b. NEW	L0S3022
		C	D	
12. CONFIGURATION ITEM (OR SYSTEM) TO WE	TICH ECP APPLIES		NOR SHT	ECP SHT
40 mm Grenade Machine Gun,	MK19, Mod 3		1 of 7	31 45 60
				31 OF 58
13. DESCRIPTION OF REVISION				
SEE NOR CONTINUATION SHE	EET 2 THRU 7 OF 7 DAT	ED 00-07-10 FOR	PROPOSED NEW I	REVISED QAP.
				·
14. THIS SECTION FOR GOVERNMENT USE ONL				
s /X mel V				
a. (X one) X (1) Existing document suppleme	mted by this NOR may be used in manufacture			
a. (X one) X (1) Existing document suppleme (2) Revised document must be in	med by this NOR may be used in manufacture received before manufacturer may incorporate	this change.		
a. (X one)  X (1) Existing document suppleme (2) Revised document must be in (3) Custodian of master document	inted by this NOR may be used in manufacture scelved before manufacturer may incorporate int shall make above revision and furnish revis	this change. ed document.	i Initial, Lusti) /	
a. (X one)  X (1) Existing document suppleme (2) Revised document must be in (3) Custodian of master docume b. ACTIVITY AUTHORIZED TO APPROVE CHANGEFOR G  OM SMALL  RM	inted by this NOR may be used in manufacture received before manufacturer may incorporate int shall make above revision and furnish revision of the second function of the second funct	this change.	initial, Last)  L) /X. CLIN	
a. (X one)  X (1) Existing document suppleme (2) Revised document must be in (3) Custodian of master docume b. ACTIVITY AUTHORIZED TO APPROVE CHANGEFOR C	med by this NOR may be used in manufacture eceived before manufacturer may incorporate int shall make above revision and furnish revision GOVERNMENT	this change. ed document.		1. DATE SIGNED
a. (X one)  X (1) Existing document suppleme (2) Revised document must be in (3) Custodian of master docume b. ACTIVITY AUTHORIZED TO APPROVE CHANGEFOR C	inted by this NOR may be used in manufacture received before manufacturer may incorporate int shall make above revision and furnish revision of the second function of the second funct	this change. ed document.		f. Date signed (yyyymmod)
a. (X one)  X (1) Existing document suppleme (2) Revised document must be in (3) Custodian of master docume b. ACTIVITY AUTHORIZED TO APPROVE CHANGEFOR G	inted by this NOR may be used in manufacture received before manufacturer may incorporate int shall make above revision and furnish revision of the second function of the second funct	this change. ed document.		1. DATE SIGNED
a. (X one)  X (1) Existing document suppleme (2) Revised document must be in (3) Custodian of master docume b. ACTIVITY AUTHORIZED TO APPROVE CHANGEFOR C	inted by this NOR may be used in manufacture received before manufacturer may incorporate int shall make above revision and furnish revision of the second function of the second funct	this change. ed document.  c. TYPED NAME (First, Middle		1. DATE SIGNED (YYYMMOD)  S. DATE SIGNED
a. (X one)  X (1) Existing document suppleme (2) Revised document must be in (3) Custodian of master docume b. ACTIVITY AUTHORIZED TO APPROVE CHANGEFOR G  OM SMALL HAM d. TITLE  PROD DIRECTOR	orted by this NOR may be used in manufacture received before manufacturer may incorporate int shall make above revision and furnish revision/SOVERNMENT	this change. ed document.  c. TYPED NAME (First, Middle		1. DATE SIGNED (YYYMMOD) 18 Soy 00

DD FORM 1695, AUG 96 (EG)

Previous revisions are obsolete

Statement A, Unlimited

Enclosure 2 - Attachment 006

## QUALITY ASSURANCE PROVISIONS (QAP)

1. COMMAND AGENCY:

U.S. ARMY ARMAMENT, RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, N.J. 07806-5000

2. THESE QAPS FORM A PART OF DRAWING/SPECIFICATION 7791025 SPECIFIED IN THE CONTRACT.

INSPECTION SHALL BE CONDUCTED AS SPECIFIED HEREIN AND IN ACCORDANCE WITH REFERENCED DOCUMENTS.

#### PART L LIST OF APPLICABLE DOCUMENTS

## **DRAWINGS**

7791025

Screw, Elevating

#### **STANDARDS**

MIL-STD-1916

DOD Preferred Methods for Acceptance of Product

#### **SPECIFICATIONS**

MIL-DTL-16232 Phosphate Coatings, Heavy, Manganese or Zinc Base (For Ferrous Metals)

MIL-W-63150

Weapons and Support Materiel, Standard Quality Assurance Provisions for

MIL-PRF-3150

Lubricating Oil, Preservative, Medium

MIL-S-13572

Springs, Helical, Compression and Extension

#### NON-GOVERNMENT PUBLICATIONS

**ASTM B117** 

Standard Method of Salt Spray (Fog) Apparatus Operating

(Application for copies of ASTM documents should be addressed to American Society for Testing and Materials, 100 Bar Harbor Drive, West Conshohocken PA 19428-2959)

NOR CONTINUATION SHEET 2 OF 7

ECP LOS 3022 - NOR 015

PROPOSED NEW REVISED WAP nem Mound 00-07-10

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

					RE	VISION	S								
4. RELEASE NUMBER									1						
5. DATE				ļ											
4. RELEASE NUMBER															
5. DATE															
REVISION	6. REVISION	D	D	D	D	D	D						T		·
STATUS	7. SHEET	1	2	3	4	5	6								
OF	6. REVISION														
SHEETS	7. SHEET						1								
8. QAP FOR:							<u> </u>		<u> </u>	FSC	M:		CA	GE COI	Œ
:	Screw, Elevating													19200	:
9. SUBMITTED BY:								<del></del>		10. Q	AP NO.:	779	1025		
11. DATE: 661103	12. APPROVED:						13. RE	LEASE !	NO.	14. PA	AGE NO. 1	7	15. NO. O	F PAGE	S

3.

#### PART II. CONFORMANCE PROVISIONS

- 1.0 General provisions.
- 1.1 Classification of characteristics. There are three classes of characteristics covered in this QAP. These are critical, major, and minor characteristics, as defined in MIL-STD-1916.
- 1.2 Workmanship. The workmanship provisions of MIL-W-63150 are applicable to this QAP.
- 1.3 Certification provisions.
- 1.3.1 Certified Test Reports (CTR). If CTR is specified in Part IV, the contractor shall make available to the Government a CTR for each lot of parts, assemblies, subsystems and systems by lot number prior to acceptance. This test report is in addition to, and not in lieu of, any rights of the Government under this contract or law. A CTR may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of the contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the report shall contain the following:
  - a. Name of company and date.
  - b. Contract number or purchase order number, national stock number and drawing number.
  - c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
  - d. All inspections and tests required by contract (i.e., material, processes, performance, functional, etc.) shall be recorded in test reports. These reports shall identify each lot submitted for acceptance by lot number, the specification or drawing, revision and date, grade or type as applicable, number of specimens tested, specified characteristics and requirements, and actual results obtained.
  - e. Reports of the raw material producer's chemical, mechanical, and physical analysis.
  - f. A statement, as follows, certifying that material meets all requirements of the contract:

"The undersigned, individually, and as the authorized representative of the contractor, warrants and represents that: All the information supplied above is true and accurate; the material covered by this certificate conforms to all contract requirements (including but not limited to the drawings and specifications); the inspection and test results, and the analysis appearing herein are true and accurate; and this certificate is made for the purpose of inducing payment and with knowledge that the information and certification may be used as a basis for payment."

- g. Signature and title of certifying official.
- 1.3.2 Certificate of conformance (COC). When COC is specified in Part IV, A certificate of conformance is required for Military Standard and commercial items, supported by inspection and test data, material analysis, or certification from the raw material producer or processor, and shall be made available to the Government for specifications covering raw material, processed material, and processes. The contractor shall make the COC available to the Government prior to or with the request to perform acceptance inspection approval by the Government. This is in addition to, and not in lieu of, any rights of the Government under this contract or law. A COC may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the COC shall contain the following:

ŕ	company and date.	NOR CONTI	INVATION SHEET : 3022 - NOR 015 D NEW REVISED (	SAP	
	-	PROPOSE	1 28xual 0007-1	FSCM:	CAGE CODE 19200
16. REVISION					10. QAP NO.: 7791025
SYMBOL					14. PAGE NO.
AND DATE				.	2

- 3.
- b. Contract number or purchase order number, national stock number and drawing number.
- c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
- d. A statement, as follows, certifying that material meets all requirements of the contract:

### 2. First article.

- 2.1 <u>Submission.</u> Unless otherwise specified in the contract, a first article sample consisting of five QAP items shall be submitted for inspection and approval in accordance with the terms of this contract. The sample items will be subjected to any or all of the examinations and tests specified in this QAP and may be inspected for compliance with any or all of the requirements of the applicable drawing(s) and specification(s). The certification requirements of Part IV apply.
- 2.2 <u>Rejection</u>. If any sample item fails to comply with any of the applicable requirements, the first article sample shall be rejected. The Government reserves the right to terminate inspection upon any failure to comply with any of the requirements.
- 3. <u>Verification.</u> Verification inspection shall consist of inspection of all conformance characteristics contained in Part III "Inspection Requirements" and Part IV "Certification Requirements" of this QAP. Failure to comply with the conformance criteria shall be cause for rejection of the lot or quantity represented by the sample. All other quality characteristics not specifically listed herein are subject to control under the contractor's quality program or inspection system.
  - 3.1 Lot formation. Inspection lots shall comply with the lot requirements of MIL-STD-1916, paragraph 4.2.
- 3.2 Attributes sampling inspection. The provisions/procedures of MIL-STD-1916 are applicable to this QAP. Unless otherwise specified, attributes sampling for the conformance characteristics listed in Part III herein shall be IAW MIL-STD-1916, Table II, using the verification level cited in the conformance criteria columns of Part III. The procedure in MIL-STD-1916 for normal inspection shall be used at the start of production for current or previous suppliers of the item. For all new suppliers of the item, tightened inspection shall be used at the start of production and be continued until the criteria for normal inspection are met.
- 3.3 <u>Alternative verification provisions</u>. Unless otherwise specified, alternative verification provisions such as statistical process control (SPC) (preferred), variables sampling plans, or continuous sampling plans may be used by the contractor in lieu of the inspection provisions contained herein when such alternative(s) provide an equivalent or better level of quality, and provided they have been described in a written proposal which has been approved by the Government.
- 3.4 <u>Inspection Equipment.</u> Unless otherwise specified herein or in the contract, all inspection equipment required to perform the examinations and tests in this QAP shall be designed, documented and maintained by the contractor, including any fixtures necessary to accommodate the test procedures. Inspection equipment shall incorporate the appropriate measurement capability, precision and accuracy to assure rejection of all non-conforming product.

3.5 Components and Assemblies. All components shall conform to the drawings for those components prior to installation into an assembly.

NER CONTINUATION SHEET 4 0F 7

ECP LOS 3022 - NOR DIS

PROPOSED NEW REVISED BAP

FSCM: CAGE CODE

19200

10. QAP NO.:

7791025

AND DATE

3.

### PART III. INSPECTION REQUIREMENTS.

### 1. Classification of Conformance Characteristics

Spring, Helical 7791028

CLASS	CHARACTERISTIC	ZONE	CONFORMANCE CRITERIA	INSPECTION METHOD
CRITICAL	None			
MAJOR				
101	Missing or Defective Protective Finish		Level III	Visual
102	Protective Coating (Phosphate) Salt Spray Test (See Table II)		Level III	SMTE -1
103	Protective Coating (Phosphate) Weight Test (See Table II)		Level III	SMTE - 2
104	Protective Coating (Phosphate) Supplemental		Level III	SMTE -3
105	Supplemental Oil Treatment Salt Spray Test (See Table II)		Level III	SMTE
106	Hardness RA 65-68		Level III	SMTE
⊕ В М	Ø .002		Level III	SMTE
108	.112-48 UNF-2A		Level III	SMTE
109	.124 Dia.		Level III	SMTE
MINOR				CD CITIES
201	.70 Dia.		Level II	SMTE
<b>⊕</b> В М	Ø .002 M		Level II	SMTE
203	4.378		Level II	SMTE
204	Workmanship ( See Mil- W- 63150)		Level II	SMTE

NOR CONTINUATION SHEET 5 OF 7

ECP LOS 3022 - NOR 015

PROPOSED NEW REVISED QAP

Missrell 00-07-10

FSCM: CAGE CODE

19200

16. REVISION

SYMBOL

AND DATE

FSCM: CAGE CODE

19200

10. QAP NO.:

7791025

14. PAGE NO.

4

3.

- 2. Special sampling inspection.
- 2.1 Phosphate Coating Salt Spray (Corrosion). Testing shall be accomplished on a per lot basis or per shift, i.e., at least once every eight hours. Four (4) specimens, distributed randomly and processed concurrently with the items, or four (4) items randomly selected shall be tested in accordance with STM-1. The specimens shall conform to MIL-DTL-16232. If any item/specimen in the sample fails, the quantity represented shall be rejected.
- 2.2 Phosphate Coating Weight. Testing shall be accomplished on a per lot basis or shift, i.e., at least once every eight hours. Two (2) specimens, distributed randomly and processed concurrently with the items, or two (2) items randomly selected shall be tested in accordance with STM-2. The specimens shall conform to MIL-DTL-16232. If any item/specimen in the sample fails, the quantity represented shall be rejected.
- 2.3 Phosphate Coating Supplemental Oil Treatment Salt Spray Test. Testing shall be accomplished on a per lot basis or per shift, i.e. at least once every eight hours. Four (4) specimens, distributed randomly and processed concurrently with the items, or four (4) items randomly selected shall be tested in accordance with STM-3. The specimens shall conform to MIL-DTL-16232. If any item/specimen in the sample fails, the quantity represented shall be rejected.

## PART IV. CERTIFICATION REQUIREMENTS

The certification provisions of para. 1.3 for Certified Test Reports (CTRs) and Certificates of Conformance (COCs) shall apply. CTRs and COCs are required for the following:

NUMBER CHARACTERISTIC  Phosphate Coating  Material  NOR CONTINUATION  ECP LOS 3022 - NO  PROPOSED NEW RE	RO15
PROPOSED NEW RE	exull 00-07-10 FSCM: CAGE CODE 19200
16. REVISION	10. QAP NO.: 7791025
SYMBOL  AND DATE	14. PAGE NO. 5

AMSTA-AR 3100-E, Sep 1998 (Continuation Sheet)

ARDEC V1.0

3.

#### PART V. TEST METHODS AND PROCEDURES

- STM-1. Protective Coating (Phosphate) Salt Spray Test. This test shall be conducted in accordance with MIL-DTL-16232 and ASTM B117 prior to application of supplementary treatments.
- STM-2. Protective Coating (Phosphate) Weight Test. This test shall be conducted as specified in MIL-DTL-16232.
- STM-3. Protective Coating (Phosphate) Supplemental Oil Treatment Salt Spray Test. This test shall be conducted in accordance with MIL-DTL-16232 and ASTM B117 after application of Supplemental Oil Treatment.
- STM-4. Supplemental Oil Treatment Salt Spray Test. This test shall be conducted in accordance with MIL-PRF-3150 and ASTM B117.

**PART VL NOTES** 

NOR CONTINUATION SHEET 7 OF 7

ECP LOS 3022 - NOR 015

PROPOSED NEW REVISED QAP

PROPOSED NEW REVISED QAP

				FSCM:	CAGE CODE
					19200
16. REVISION	·			•	10. QAP NO.:
SYMBOL	-				7791025
					14. PAGE NO.
AND DATE		,			6

					·					
ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1						1. DAT	E (YYMMDD) 530	Form Approved OMB No. 0704-0188		
Public reporting burden for this collection of Information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data at needed, and completing and reviewing the collection of information, including this burden estimate or any other sepect of this collection of information, including						urces, celber	ing and maintaining the data	2. PROCURING		
needed, and completing and reviewing. Department of Defense, Washington Hi	the collection of information. So nacionariers Services. Directors	end comments regarding this burden setmets its for information Operations and Reports, 12						ACTIVITY N		
and Budget, Paperwork Reduction Proje	act (0704-0186) Washington, D	C 20603. ) FORM TO EITHER OF THESE	*					L1S303	3	
ISSUING CONTRACTING O	FFICER FOR THE CO	NTRACT/PROCURING ACTIVITY	Y NUMBER LIS	TED IN	ITEM 2 OF THIS FO	RM.		3. DODAAC		
4. ORIGINATOR		b. ADDRESS (Street, City,	State, Zip Coo	ie)		5. CLA	SS OF ECP			
a. TYPED NAME (First, Min	ddie Initial,	TACOM-ARDEC	-			<u>  </u>				
Last) Bennie J. B	oewell	Rock Island, IL	61299-73	300		6. JUS	T. CODE	7. PRIORITY		- 1
8. ECP DESIGNATION	- Cawell					9. BAS	ELINE AFFECTED	<u> </u>		
a. MODEL/TYPE	b. CAGE CODE	c. SYSTEM DESIGNATION	N				FUNCTIONAL	X PROD	UCT	
MK19/MOD3	19200	40 mm Grenade Ma	achine Gun	1			ALLOCATED			
d. ECP NO.			e. TYPE	E	f. REV		HER SYSJCONFIG.		ED	
L1S3033			F		40 00 415100 4	X	YES	NO		
11. SPECIFICATIONS AF		Specification/Document No	). Rev.	SCN	12. DRAWINGS A	PPECIE	Number		Rev.	NOR
a. SYSTEM	CAGE Code	Specification/Document No	). <u>nev.</u>	301	19200	80	7791025		D	001
b. DEVELOPMENT				<b></b>	10200	+ -	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
c. PRODUCT										
13. TITLE OF CHANGE										
Correct Dimensio		P								
14. CONTRACT NO. LINE					NG CONTRACTING					
DAAE20-00-C	-0062 & DAAE	£20-01-C-00/9			t, Middle Initial, Las ISTA-LC-CSCA		c. TELEPHONE NO	(309) 782-0	243	-
16. CONFIGURATION ITE	M NOMENCI ATLIRI		10.000	/C /A/A	NO IALU-USUA		C. TEEET HORE NO	17. IN PRODU		
40 mm Grenade k								X YES		NO
18. ALL LOWER LEVEL I										
a. NOMENCLATURE					RT NO.		c. NSN			- 1
Elevating Screw Q				80	27791025		N/A			
19. DESCRIPTION OF CH	MME Potion Bosuir	ements, under 1. C	laccificat	ion 4	of Conforms	nce C	haracteristics	s. changed	title	from
Spring, Helical	7791028. to	Screw, Elevating 77	791025. <i>/</i>	Also	changed Mi	nor Ct	aracteristic 2	201 from .7	'0 to .	070.
<b></b>	, , , , , , , , , , , , , , , , , , , ,									
								<del></del>		
20. NEED FOR CHANGE		allusimata tha maad t	lau aantu		· alarification	rogu	aete			ļ
Correction of t	ext errors to	eliminate the need t	or contra	actoi	Clarification	ı r <del>o</del> qu	<del>vo</del> ta.			ļ
										i
21. PRODUCTION EFFE	CTIVITY BY SERIAL	NUMBER		1		ICTION D	ELIVERY SCHEDUL	£		
N/A				l N	/A					
23. RETROFIT  a. RECOMMENDED ITE	M FEFECTIVITY			Б. 8	HIP / VEHICLE CL	ASS AFFI	ECTED			
N/A				N	/A					
C. ESTIMATED KIT DEL	IVERY SCHEDULE			d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED N/A						
24, ESTIMATED COSTS	/ SAVINGS UNDER	CONTRACT		25.1	ESTIMATED NET T	OTAL CO	STS / SAVINGS			
NA NA										
26. SUBMITTING ACTIV	10		111		MLE					
a. AUTHORIZED SIGNA	- In	un ff vill	rllf		ngr Tech					
27. APPROVAL / DISAP a. CLASS	PHOVAL	I b. CLASS II			c. CLASS II					
APPROVAL RECOMMENDED	DISAPPROV. RECOMMEN		DIBAP	PROVED	CONCUR	IN CLABSIFI- IF CHANGE		DO NOT CONCUR! RICATION OF CHA	IGE CLASSI-	
d. GOVERNMENT ACTIV			e. SIGNATUR	RE			f. DA	TE SIGNED (YY	MMDD)	
g. APPROVAL	h. GOVERNMEN	IT ACTIVITY	I. SIGNATUR	RE			j. DA	TE SIGNED (YY	MMDD)	
APPROVED						У				
DISAPPROVED	, [	:	Ì							
							Cinternant A	I I - the short		

DD Form 1692, APR 92

Previous editions are obsolete

Enclaure 3

NOT THIS REVISION DESCRISED BELO	Form Approved OMB No. 0704-0188			
The public reporting burden for this collection of information is estimated, and completing and reviewing the collection of information, to Department of Delarme, Washington Headquarters Ben't Respondents should be source that notabilitateding any other provision.	2. PROCURING ACTIVITY NO. L1S3033			
control number. PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THIS A ACTIVITY NUMBER LIFTED IN ITEM S OF THIS FORM.	DORESSE. RETURN COMPLETED FORM TO THE GOVER	NMENT IBBUING CONTRACTING OFFI	SER FOR THE CONTRACT/PROCUFING	3. DODAAC
4. ORIGINATOR a. TYPED NAME (First, Mittile Initial, Last)	b. ADDRESS (Street, City, State, Zp Code) TACOM-ARDEC, AMS		5, CAGE CODE 19200	6. NOR NO. 001
Bennie J. Boswell	Rock Island, II. 61299-		7. CAGE CODE 19200	8. DOCUMENT NO. SQ7791025 SH 4
9. TITLE OF DOCUMENT		11, ECP NO.		
QAP for Elevating Screw		a. CURRENT  D	b. NEW	L1S3033
12. CONFIGURATION ITEM (OR SYSTEM) TO	WHICH ECP APPLIES	<u> </u>	NOR SHT	ECP SHT
40 mm Grenade Machine Gur			1 of 1	2
13. DESCRIPTION OF REVISION			-	
Change: From: "Spri To: "Scre Change Minor Chara From: "20"	onformance Characteristic ng, Helical 7791028 w, Elevating 7791025"			
14. THIS SECTION FOR GOVERNMENT USE	ONLY			
	emented by this NOR may be used in manufacture			
	be received before manufacturer may incorporate	<del>-</del>		
(3) Custodian of master doc				
WASHINIT AUTOURED TO APPROVE CHANGE F	initial, Last)			
d TITLE	6. SIGNATURE	1		E. DATE SISHED (YYYYMMOD)
15.2. ACTIVITY ACCOMPLISHING REVISION	6. REVISION COMPLETED (8	IGNATURIS)		C. DATE SIGNED (YYYYMMDD)

CCLFM

ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1							1. DATE (YYMMDD) Form Approved O10680 CMB No. 0704-0188				į		
PARE reporting burden for this collection of information is collected in average 2 hours per response, including the time for restoring instructions, asserting under sealed, and completing and restoring in collection of information, fixed commons regarding this burden collection or any other capacit of this collection of information, including the collection of information and instruction of information, burden collections and instruction of information, including the collection of information of information in						ing data courses, gathe ion, including dangerife on, VA 2000-4502, an	oring and makinishing the one for reciscing this low of to the Cilico of Manag	44. 47.40	2. PROCURS ACTIVITY	NO.			
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.							L183033						
ISSUING CONTRACTING C	FFICER FOR THE C	ONTRACT	/PROCUM	ING ACTIVIT	Y NUMBER	LISTED II	ITEM 2 OF 1	THIS FORM.			3. DODAAC		
4. ORIGINATOR				(Street, City,		-		1	ASS OF ECP				ı
a. TYPED NAME (First, Mi Lasti	ddie initial,		TACOM-ARDEC, AMSTA-AR-CCL-FM								<u> </u>		
Bennie J. B	oswell		1100K 1012113, 12 01200 7000						ST. CODE D		7. PRIORITY R		
8. ECP DESIGNATION								8. BA	SELINE AFFEC				
a. MODEL/TYPE	b. CAGE CODE	1		ESIGNATIO					FUNCTIONA	٠,	X PRO	DUCT	
MK19/MOD3	19200		o mm o	Irenade M			14.004		ALLOCATED THER SYSUCO		THE ARES	TED.	
d. ECP NO. L183033					0.1	YPE	f. REV	10. U	YES	<b></b>	NO	IED	
11. SPECIFICATIONS AF	ECTED.		-				12. DRAW	WGS AFFECTS			1100		
TIL GEOGRAPHICA	CAGE Code	Spe	cification/	Document No	. Re	v. SCN	CAGE		Num	ber		Rev.	NOR
a. SYSTEM		1	. ,		<u> </u>		19200	80	27791025			D	001
b. DEVELOPMENT													
a. PRODUCT												<u> </u>	
13. TITLE OF CHANGE													l
Correct Dimensio		VP											
14. CONTRACT NO. LINE								ACTING OFFIC					
DAAE20-00-C	00 <b>6</b> 2 & DAA	<b>E20-</b> 0	1-C-00	79					an A. Mendo		4000 500		
					b. (	XXX AUX	ASTA-LC-	CBCA	a TELEPHON	_	17. IN PROD		
16. CONFIGURATION ITE 40 mm Grenade R	fachine Gun, M		DD 3								X YES		NO
18. ALL LOWER LEVEL 1	TEMS AFFECTED					15.50	BT 110		c. NSN				
a. NOMENCLATURE	AD						RT NO. 27791025		N/A				1
Elevating Screw Q 19. DESCRIPTION OF CH			-		<del></del>			<del></del>					
in Part III inspo Spring, Helical	ection Requi 7791028, to	remen Scree	its, un w, Elev	der 1. Ci vating 77	lessific 791025	ation ( . Also	of Confo change	ormance C d Minor C	haracteris haracteris	tic 20	, change 01 from .	70 to	.070.
20. NEED FOR CHANGE						A A		ollon romi				1	,
Correction of t	ext errors to	elimi	nate th	e need t	for con	tracto	CIENTIC	ation requ	jęsts.			0	` <b>-</b>
												و	
												-	5
21. PRODUCTION EFFE	CTIVITY BY SERIA	. NUMBE	R				FFECT ON	PRODUCTION	DELIVERY SCH	EDUL	!	9	na l
23. RETROPT													
a. RECOMMENDED ITS N/A	M EFFECTIVITY					1	HIP/VEHIC /A	LE CLASS AFF	ECTED				
C. ESTIMATED KIT DEL	IVERY SCHEDULE						OCATIONS	OR SHIP/VEH	ICLE NUMBERS	AFFE	CTED		
34. ESTIMATED COSTS	/ SAVINGS UNDER	CONTRA	ACT			25.		NET TOTAL C	OSTS/SAVING	\$			
NA 24. SUBMITTING ACTIV					111	/ b.	ITTLE						
a. AUTHORIZED SIGNA 27. APPROVAL / CHERP		m	JU.	Tun	<u> </u>	[	ngr Tech						
al CLASS			b. CLAS				c.CLA				7 по мот семен	IN CLASS	
APPROVIL RECOMMENDED	DEAPPRO	MAL HOED		APPROVED		DIEAFFROVED		CONCUR IN CLASSIFF CATION OF CHANGE		4 # **	PICATION OF CHE		
d. GOVERNMENT ACTIV	/ITY OM-ARDEC,	AMST	A-AR-(	CCL-#	e. SIGNA	TURE					E SIGNED (Y		
g. APPROVAL	h. GOVERNME				L SIGNA	TURE	11	950	16	-	E SIGNED (Y		_ 1
APPROVED DISAPPROVED	Chief C	CAC P	rod &	Field Sp	Town	1		72/1		Z		16	10

NOTICE THE REVISION DESCRISED BELOW I	E OF REVISION (NOR) HAS BEEN AUTHORIZED FOR THE DOC	CUMBNY LISTED	1. DATE (YYYYMMOD) 20010530	Form Approved CMB No. 0704-0188
The public reporting handon for the collection of Information is authorized to date receded, and completing and methods of information to Deposition of all Depositions of Information in the Deposition of all Depositions in the Information of Information in the Information of Information in Information in Information in Information in Information in Information in Information	arango 2 hours per regional, including the time for me Suid community regioning this handers and regional or any Electronic for inhumentating committees and Regions (of fact, no person shall be subject to any penalty for falling ages. RETURN COMPLETED FORM TO THE SOME	to entroly with a columbs of information	I t does not display a commity wild CASE	2. PROCURING ACTIVITY NO. L.183033 8. DODAAC
4. ONGOVATOR	6. NOR NO. 001			
Bennie J. Boswell	TACOM-ARDEC, AMS' Rock Island, II. 61290-		7. CAGE CODE 19200	8. DOCUMENT NO. 8Q7791025 SH 4
9. TITLE OF DOCUMENT		10. REVISION LETTER		11. ECP NO.
QAP for Elevating Screw		a.CUMBIT D	L. NEW	L183033
12. COMPOURATION ITEM (OR SYSTEM) TO WE 40 mm Grenade Machine Gun,			NOR SHIT 1 of 1	SCP SHT 2
18. DESCRIPTION OF REVISION			<u> </u>	
Change: From: "Spring To: "Screw Change Minor Charact From: "201 To: "201	r, Elevating 7791025" teristic: .70 Dia."			
(b) Revised document must be	randed by the NOR may be used in manufactus a received before manufacturer may be opposed rent shall make above redulen and furnish revi R GOVERNAMENT CCL-F	is this charge.	_	E DATE SIGNED (TYTHELDS)  S. DATE SIGNED (TYTHELDS)
DD FORM 1606, AUG 96 (EQ)	Previous revisions an	e obsolete	Staten	nent A, Unilmi